

**To:** McKean, Deborah[mckean.deborah@epa.gov]; Wall, Dan[wall.dan@epa.gov]  
**Cc:** Guy, Kerry[Guy.Kerry@epa.gov]; Way, Steven[way.steven@epa.gov]; OBrien, Wendy[OBrien.Wendy@epa.gov]  
**From:** Ostrander, David  
**Sent:** Fri 10/16/2015 5:41:42 PM  
**Subject:** RE: GKM Mine Adit Sampling

yes

**From:** McKean, Deborah  
**Sent:** Friday, October 16, 2015 11:41 AM  
**To:** Wall, Dan; Ostrander, David  
**Cc:** Guy, Kerry; Way, Steven; OBrien, Wendy  
**Subject:** RE: GKM Mine Adit Sampling

I agree with Dan. The qualifiers and validation summary of the dioxin data is a bit confusing. Since the values are below RLs, it would be nice to say that the data show no issues. I would feel better about say that with confirmation from a chemist. The TAL organic and PCBs are non-detect, so that is an easier message.

I am guessing these samples were the ones collected at the mouth of the mine – yes?

**From:** Wall, Dan  
**Sent:** Friday, October 16, 2015 10:29 AM  
**To:** Ostrander, David; McKean, Deborah  
**Cc:** Guy, Kerry; Way, Steven  
**Subject:** RE: GKM Mine Adit Sampling

I'd be glad to help. The dioxin package looks a little complicated however and I've tried to summarize what I think the validation report says (below) for our own edification -please chime in if someone has a different interpretation. The other validation report is pretty clean and should be easy to communicate.

How the dioxin package is communicated will take some effort IMO and I recommend we consult with a chemist to make sure I am interpreting this correctly. Do you need this today?

*Results interpretation*

*It not a straight non detect for all the dioxin congeners. The report says there were method blank detections below reporting limits. If I understand the validation report, some congeners were able to be flagged as ND (U or UJ) because the amount of contamination of the particular congener in the lab blank was quantifiable. Other congeners were qualified as "J" because the level of blank contamination in the method blank was not quantifiable. A "J" flag is a positive detection but is considered an estimate. We routinely use J flagged data as a positive result.*

Dan

**From:** Ostrander, David  
**Sent:** Thursday, October 15, 2015 4:51 PM  
**To:** McKean, Deborah; Wall, Dan  
**Cc:** Guy, Kerry; Way, Steven  
**Subject:** FW: GKM Mine Adit Sampling

Can you help with any messages on the dioxin results. (other than this is what we expected??)

**From:** Pryhoda, Moira [<mailto:Moira.Pryhoda@WestonSolutions.com>]  
**Sent:** Thursday, October 15, 2015 3:40 PM  
**To:** Michael Cherny; Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven  
**Cc:** Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Peterson, Cynthia; Kappelman, David; Holmes, Marcus  
**Subject:** GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/15/15.

I have also attached two re-validated SDGs: D75708 and 680-117013-5 as well as the newly validated 680-117013-2.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Wednesday, October 14, 2015 3:42 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>  
**Cc:** 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Peterson, Cynthia' <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>; 'Holmes, Marcus' <[Holmes.Marcus@epa.gov](mailto:Holmes.Marcus@epa.gov)>  
**Subject:** GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/14/15.

An issue was caught with the Accutest EDD: In the two hexachromium duplicate results, the result was "0" but there was a "Y" in the detection field. This has been corrected by the lab and the new preliminary EDD is attached here. This EDD is in a priority position for re-validation. Additionally, Dioxin results for the sediment sample were received today. I have attached the report and preliminary EDD, which is also in a priority position for validation.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Tuesday, October 13, 2015 3:48 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Peterson, Cynthia' <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>; Holmes, Marcus <[Holmes.Marcus@epa.gov](mailto:Holmes.Marcus@epa.gov)>

**Subject:** GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/13/15. I received the validated Accutest EDD today, also attached here along with the validation report. We are expecting Dioxin results tomorrow.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Monday, October 12, 2015 4:00 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Peterson, Cynthia' <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/12/15 at 4:00

PM. I received the revised preliminary Accutest EDD today, also attached here. This is in a priority position for validation.

Thank you,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Friday, October 09, 2015 4:01 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Peterson, Cynthia' <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** GKM Mine Adit Sampling

I have attached today's version of the Mine Adit sample tracker, current as of 10/9/15 at 4:00 PM. No new preliminary of validated data was received today. Additionally, Accutest is having a hard time fixing the pH value mistake in the EDD. It has been sent to the IT department at

Accutest. The preliminary data is correct in the PDF file of the results attached in an earlier email, but the data will not be validated until a revised EDD is available.

Thanks,

Moir Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Thursday, October 08, 2015 4:15 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Peterson, Cynthia' <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** GKM Mine Adit Sampling

I have attached the current version of the Mine Adit sample tracker, current as of 10/8/15 at 4:00 PM. No new preliminary or validated data was received today. Please note that the Accutest EDD received yesterday will be revised by the lab due to an incorrect pH value on the EDD (100

s.u.). Validated data will not be available until after this revision is complete.

Please let me know of any questions, and have a great evening.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Wednesday, October 07, 2015 4:38 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; Peterson, Cynthia <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** GKM Mine Adit Sampling



I have attached the 10/7/15 version of the Mine Adit sample tracker, current as of 4:30 PM. I have also attached the preliminary EDD for the Hexavalent Chromium, Nitrate and Nitrite run at Accutest. This has been sent for validation and a validated EDD should be available tomorrow.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

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**From:** Pryhoda, Moira

**Sent:** Tuesday, October 06, 2015 3:47 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; 'Smith, Terry' <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; 'Turner, Philip' <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Griffin, Susan' <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; 'Jenkins, Laura Flynn' <[Jenkins.Laura@epa.gov](mailto:Jenkins.Laura@epa.gov)>; 'Kappelman, David' <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** RE: GKM Mine Adit Sampling

All,

I have attached the 10/6/15 version of the Mine Adit sample tracker. There were no updates today. Hexavalent Chromium in soil is being run at Accutest today. I anticipate having the results and an EDD for Accutest samples early tomorrow.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

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**From:** Pryhoda, Moira

**Sent:** Monday, October 05, 2015 4:11 PM

**To:** 'Michael Cherny' <[michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)>; Ackerman, Joyce <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; Wall, Dan <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; Houston, Maria <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; Mills, Bethany <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; Smith, Terry <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Griffin, Susan <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; Way, Steven <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** Romero, David <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; Ostrander, David <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; Foster, Althea <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; Barry, Michael <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; Janovec, Marilyn <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; Jenkins, Laura Flynn <[Jenkins.Laura@epa.gov](mailto:Jenkins.Laura@epa.gov)>; Kappelman, David <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** GKM Mine Adit Sampling

All,

Attached is the latest version of the Mine Adit Sample tracker, current as of 10/5/15 at 4:00 PM.  
There were no updates to today's version.

Thanks,

Moirá Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Michael Cherny [<mailto:michael.cherny@mecx.net>]

**Sent:** Sunday, October 04, 2015 4:00 PM

**To:** Ackerman, Joyce <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; Wall, Dan <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; Houston, Maria <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; Mills, Bethany <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>; Smith, Terry <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Griffin, Susan <[Griffin.Susan@epa.gov](mailto:Griffin.Susan@epa.gov)>; Way, Steven <[way.steven@epa.gov](mailto:way.steven@epa.gov)>

**Cc:** Romero, David <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; Ostrander, David <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; Foster, Althea <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; Barry, Michael <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; Janovec, Marilyn <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; Jenkins, Laura Flynn <[Jenkins.Laura@epa.gov](mailto:Jenkins.Laura@epa.gov)>; Kappelman, David <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>; Pryhoda, Moira <[Moirá.Pryhoda@WestonSolutions.com](mailto:Moirá.Pryhoda@WestonSolutions.com)>

**Subject:** RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, as of 10/4/15 at 4:00 PM. There were no new updates to today's version.

Thanks,

**michael cherny I environmental scientist I mecx**

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

[Michael.cherny@mecx.net](mailto:Michael.cherny@mecx.net)

<http://www.mecx.net>

---

**From:** Michael Cherny

**Sent:** Saturday, October 03, 2015 4:50 PM

**To:** Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

**Cc:** Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Jenkins, Laura Flynn; Kappelman, David; Pryhoda, Moira

**Subject:** RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, as of 10/3/15 at 4:30 PM. There were no new updates to today's version.

Thanks,

**michael cherny I environmental scientist I mecx**

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

[Michael.cherny@mecx.net](mailto:Michael.cherny@mecx.net)

<http://www.mecx.net>

---

**From:** Michael Cherny

**Sent:** Friday, October 02, 2015 4:36 PM

**To:** Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

**Cc:** Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Jenkins, Laura Flynn; Kappelman, David; Pryhoda, Moira

**Subject:** RE: GKM Mine Adit Sampling

Hello everyone,

Please find the latest version of the Mine Adit sample tracker attached, updated as of 10/2/15 at 4:30 PM. I have also attached 2 validated EDDs and 1 preliminary report for which an EDD is not yet available.

Thanks,

**michael cherny I environmental scientist I mecx**

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

[Michael.cherny@mecx.net](mailto:Michael.cherny@mecx.net)

<http://www.mecx.net>

---

**From:** Pryhoda, Moira [Moira.Pryhoda@WestonSolutions.com]

**Sent:** Thursday, October 01, 2015 4:07 PM

**To:** Ackerman, Joyce; Wall, Dan; Robinson, David; Blanchard, Mark R.; Glabach, John; Houston, Maria; Mills, Bethany; Butterfield, W. Scott; Smith, Terry; Turner, Philip; Griffin, Susan; Way, Steven

**Cc:** Romero, David; Ostrander, David; Foster, Althea; Barry, Michael; Re-Telang, Becky; Janovec, Marilyn; Barry, Michael; Jenkins, Laura Flynn; Kappelman, David; Michael Cherny

**Subject:** GKM Mine Adit Sampling

Please find the latest version of the Mine Adit sample tracker attached, updated as of 10/1/15 at 4:00 PM. I have also attached 2 preliminary EDDs, 1 preliminary report for which an EDD is not yet available, and one validated EDD. I will be out of the office on Friday through the weekend. Mike Cherny will continue to provide updates on this sample tracker while I'm away.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Wednesday, September 30, 2015 3:59 PM

**To:** 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>; Barry, Michael <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Jenkins, Laura Flynn <[Jenkins.Laura@epa.gov](mailto:Jenkins.Laura@epa.gov)>; Kappelman, David <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>

**Subject:** RE: GKM Mine Adit Sampling

I have attached the Mine Adit sample tracker, updated as of 9/30/15 at 4:00 PM. I have also attached one validated EDD and one preliminary EDD that I received today.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Tuesday, September 29, 2015 4:07 PM

**To:** 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>

**Subject:** RE: GKM Mine Adit Sampling

The Mine Adit sample tracker is attached, updated as of 9/29/15 at 4:00 PM. I have also attached one revised preliminary EDD and one validated EDD that I received today. Please let me know if you have any questions.

Thanks,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Monday, September 28, 2015 4:28 PM

**To:** 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>

**Subject:** RE: GKM Mine Adit Sampling

All,

I've attached the Mine Adit sample tracker, updated as of 9/28/15 at 4:30 PM. I have also attached one validated EDD and two preliminary EDDs that I have received. The validated EDD is in Access format for SCRIBE input. Please let me know if you need this converted.

Thank you,

Moira Pryhoda



Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Friday, September 25, 2015 4:02 PM

**To:** 'Ackerman, Joyce' <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; 'Wall, Dan' <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R. <[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John <[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; 'Houston, Maria' <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; 'Mills, Bethany' <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>; Butterfield, W. Scott <[W.S.Butterfield@WestonSolutions.com](mailto:W.S.Butterfield@WestonSolutions.com)>

**Cc:** 'Romero, David' <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; 'Ostrander, David' <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; 'Foster, Althea' <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; 'Barry, Michael' <[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Re-Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; 'Janovec, Marilyn' <[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>

**Subject:** RE: GKM Mine Adit Sampling

All,

I have attached the updated sample tracker with the date and time of the preliminary data package received. This is current for all data received as of 4:00 PM on 9/25/15.

Thank you,

Moira Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

**From:** Pryhoda, Moira

**Sent:** Friday, September 25, 2015 12:20 PM

**To:** Ackerman, Joyce <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>; Wall, Dan <[wall.dan@epa.gov](mailto:wall.dan@epa.gov)>; Robinson, David <[David.Robinson@WestonSolutions.com](mailto:David.Robinson@WestonSolutions.com)>; Blanchard, Mark R.

<[M.Blanchard@WestonSolutions.com](mailto:M.Blanchard@WestonSolutions.com)>; Glabach, John

<[John.Glabach@WestonSolutions.com](mailto:John.Glabach@WestonSolutions.com)>; Houston, Maria <[Houston.Maria@epa.gov](mailto:Houston.Maria@epa.gov)>; Mills, Bethany <[Mills.Bethany@epa.gov](mailto:Mills.Bethany@epa.gov)>

**Cc:** Romero, David <[Romero.David@epa.gov](mailto:Romero.David@epa.gov)>; Ostrander, David

<[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>; Foster, Althea <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>; Barry, Michael

<[Barry.Michael@epa.gov](mailto:Barry.Michael@epa.gov)>; Pryhoda, Moira <[Moira.Pryhoda@WestonSolutions.com](mailto:Moira.Pryhoda@WestonSolutions.com)>; Re-

Telang, Becky <[Becky.Re-Telang@WestonSolutions.com](mailto:Becky.Re-Telang@WestonSolutions.com)>; Janovec, Marilyn

<[Janovec.Marilyn@epa.gov](mailto:Janovec.Marilyn@epa.gov)>

**Subject:** GKM Mine Adit Sampling

All,

I have attached the preliminary results data package and EDD for the solid sample which includes the following analytes:

Ammonia

Nitrogen, Total Kjeldhal

TAL Metals

Mercury

PCBs

VOCs

Cyanide

Nitrate as N

Nitrate/Nitrite as N

Nitrite as N

This data package has been sent to validation. We can expect the validated results by the end of today.

Thank you,

Moir Pryhoda

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6112

Cell: 508-904-7579

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